

Git

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20:48

What is git & GitHub ? --> repository

You need to install git & you need to access github repository (personal or enterprise)
Windows/ linux / MacOS

1. Installed the git
2. You need to create repository



Centralized location SCM

Local Desktop

=====

1. Installed the git
2. You need to create repository

```
C: D
Cd : repos
# git init SQL-Repo
# ls -la
.git
```

Main --branch
Develop

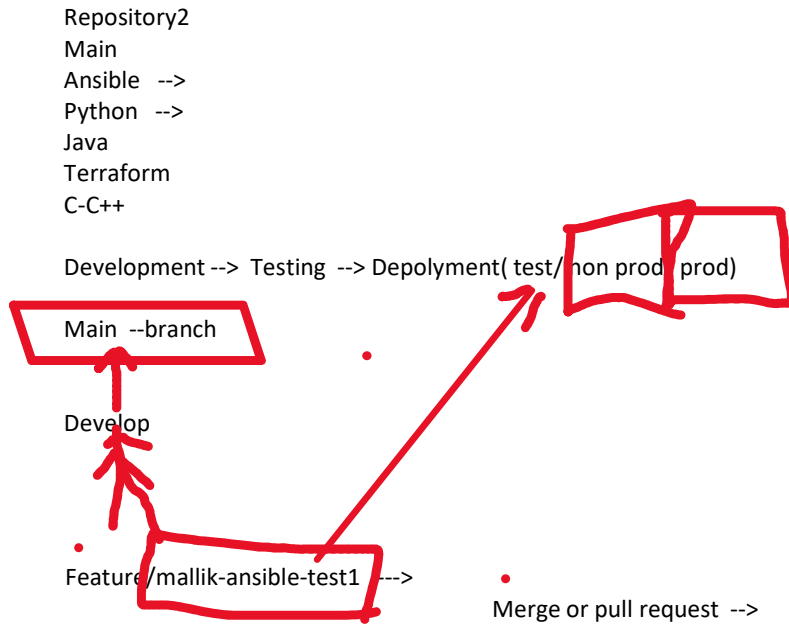
Remote repository --> it's available on github url
Local repository

Pull
Push
Clone === repo1 cloned into your local
Fetch

Branch ? Isolated
In a team 5 members one is

ansible developer
Python developer
Java developer

Terraform developer
C / C ++ developer



```
# git init <repo>
```

Main ----> I have 10 files :
base branch

```
# git branch Develop
```

```
# git branch ansible-dev
```

```
# git switch Develop : you are in develop
10 files
```

I deleted 5 files

```
# git branch python-dev --- 5 files
```

```
# git branch
```

Main
*Ansible
Python
Java
C++

```
# git switch python
```

```
# git switch ansible
```

```
# git branch
```

```
# git branch feature/ansible-dev2
```

```
# git switch feature/ansible-dev2
```

```
# git branch
```

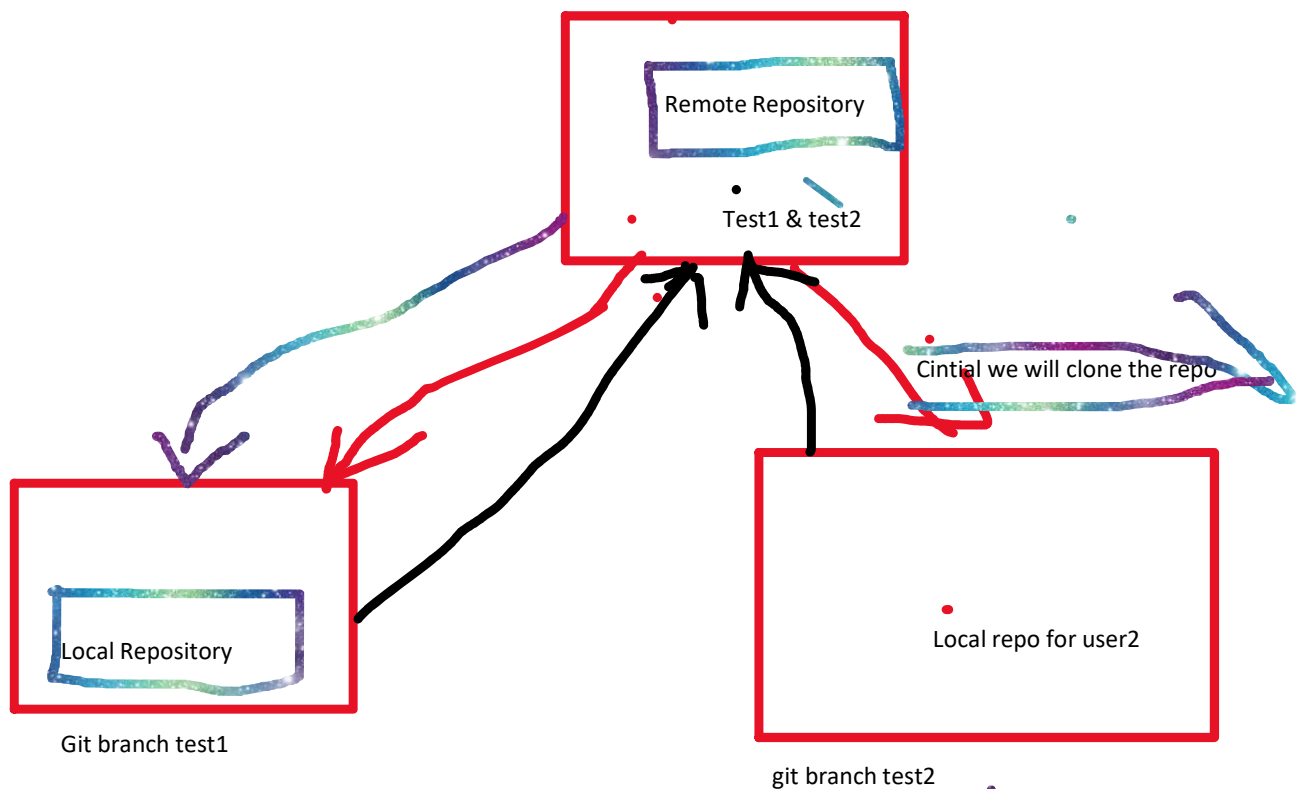
Patching.yml
Sql-db-pathcing.yml

```
# git add . --> staging area
```

```
# git commit -m "adding playing"
```

Local branch

```
# git push origin feature/ansible-dev2
```



In my project I have 20 repository

```
# git remote -v
```

```
# git add test2 test3 test4  
# git status  
# git branch  
# git restore --staged test2  
# git status  
# git commit -m "second commit"  
# git push origin -f feature/testing
```

If you want to merge the code from brach1 to branch2 or
branch1 to develop or to main branch , we have to create pull
request or merge request

Branch1 need to merge to branch2

```
# git switch branch2  
# git merge branch1
```

And raise a pull request from github

